



Specifications

Patent Blue V

Catalog Number: PB1007
C.I. Number: 42080
CAS Number: 3486-30-4
Synonyms: Acid Blue 7
Molecular Formula: $C_{37}H_{35}N_2NaO_6S_2$
Molecular Weight: 690.82
Storage: 15°C – 30°C

Test	Specification
Appearance:	Blueish to Maroon to Dark Purple Powder
Identification (IR):	Conforms to Structure
UV-vis (in H ₂ O)	E(638 +/- 3nm) = 65,000 minimum E(410 +/- 3nm) = 8,000 minimum E(312 +/- 3nm) = 10,000 minimum
Loss on Drying:	5% maximum
Solubility: 1mg/mL (0.1), H ₂ O	Clear to Opaque, Dark Blue Solution

Approved by:

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